

SYSTEM OF LINEAR INEQUALITIES Exit Quiz

Solve the following inequalities and graph its solution

1.
$$\begin{cases} x + y \geq 2 \\ -4x + y < 1 \end{cases}$$

2.
$$\begin{cases} 4x + y \leq 5 \\ -2x + y \geq 4 \end{cases}$$

3.
$$\begin{cases} y \geq x + 1 \\ y > 2x \end{cases}$$

Solve the following word problem:

4. Adam works half a day as a waiter for \$5 per hour. He also works by night as a bartender for \$10. He is allowed to work 15 hours per week and he wants to make at most \$100. Write and graph a system of linear inequalities.